Journal of Marine Research

VOLUME 25, NUMBERS 1–3

SEARS FOUNDATION FOR MARINE RESEARCH
Yale University
Issued 1967, New Haven, Conn., U.S.A.

BOARD OF EDITORS

ROBERT S. ARTHUR
Scripps Institution of Oceanography

VAUGHAN T. BOWEN
Woods Hole Oceanographic Institution

JAMES H. CARPENTER
Chesapeake Bay Institute

CHARLES S. COX
Scripps Institution of Oceanography

CHARLES L. DRAKE
Lamont Geological Observatory

E. D. GOLDBERG
Scripps Institution of Oceanography

HOLGER JANNASCH
Woods Hole Oceanographic Institution

CEDRIC R. MANN
Bedford Institute of Oceanography

H. W. MENARD
Executive Office of the President

R. B. MONTGOMERY
The Johns Hopkins University

GERHARD NEUMANN
New York University

HANS A. PANOFSKY
Pennsylvania State University

ROBERT G. PAQUETTE
General Motors Corporation

G. L. PICKARD
University of British Columbia

GEORGE W. PLATZMAN
University of Chicago

DONALD W. PRITCHARD
Chesapeake Bay Institute

MAURICE RATTRAY, JR.
University of Washington

ROBERT O. REID
Texas A & M University

WILLIAM S. RICHARDSON
Nova University

ALLAN ROBINSON
Harvard University

OSCAR E. SETTE
U.S. Fish and Wildlife Service

RAYMOND SIEVER
Harvard University

ROBERT W. STEWART
University of British Columbia

JERRY H. VAN ANDEL
Scripps Institution of Oceanography

WARREN S. WOOSTER
Scripps Institution of Oceanography

CHARLES S. YENTSCH
Woods Hole Oceanographic Institution

EDITOR

YNGVE H. OLSEN
Box 2025, Yale Station
New Haven, Conn. 06520

This Journal is normally issued in three numbers per volume per year constituting one volume. Volumes 1–18 have been published on an irregular schedule, but with Volume 19 a regular schedule has been followed. Beginning with Volume 21, the issues are appearing on 15 January, 15 May, and 15 September. All income derived from subscriptions is used solely to increase the volume and improve the quality of the Journal for the benefit of its readers. All communications should be addressed to the Editor.

ALPHABETICAL INDEX BY AUTHORS' NAMES

Tj. H. van Andel, J. B. Corliss, and V. T. Bowen: The intersection between the Mid-Atlantic Ridge and the Vema Fracture Zone in the North Atlantic. 343.

Victor Barcilon: Further investigation of the influence of the peripheral Antarctic water discharge on the circumpolar current. 1.

T. P. Barnett and J. C. Wilkerson: On the generation of ocean wind waves as inferred from airborne radar measurements of fetch-limited spectra. 292.

V. T. Bowen: See van Andel, Corliss, and Bowen.

R. R. Brooks: See Presley, Brooks, and Kappel.

P. S. Brown: See Pandolfo and Brown.

John Bye: The wave-drift current. 95.

G. W. Calef and G. D. Grice: Influence of the Amazon River outflow on the ecology of the western tropical Atlantic. II. Zooplankton abundance, copepod distribution, with remarks on the fauna of low-salinity areas. 84.

J. H. Carpenter and Virginia E. Grant: Concentration and state of cerium in coastal waters. 228.

D. E. Carritt: See Green and Carritt.

J. B. Corliss: See van Andel, Corliss, and Bowen.

Nathaniel Corwin: See Ryther, Menzel, and Corwin.

R. A. Cummings: See Zetler and Cummings.

Jane Cundy: See Newell, Morgan, and Cundy.

Erratum. 358.

W. D. Garrett: Damping of capillary waves at the air-sea interface by oceanic surface-active material. 279.

Virginia E. Grant: See Carpenter and Grant.

E. J. Green and D. E. Carritt: New tables for oxygen saturation of seawater. 140.

G. D. Grice: See Calef and Grice.

G. W. Groves and Motoyasu Miyata: On weather-induced long waves in the Equatorial Pacific. 115.

H. W. Jannasch and W. S. Maddux: A note on bacteriological sampling in seawater. 185.

H. M. Kappel: See Presley, Brooks, and Kappel.

Miriam Kastner: See Siever and Kastner.

M. S. Longuet-Higgins: On the wave-induced difference in mean sea level between the two sides of a submerged breakwater. 148.

W. S. Maddux: See Jannasch and Maddux.

H. J. McLellan: See Nowlin and McLellan.

D. W. Menzel: See Ryther, Menzel, and Corwin.

Motoyasu Miyata: See Groves and Miyata.

B. Morgan: See Newell, Morgan, and Cundy.

L. A. Mysak: On the theory of continental shelf waves. 205.
G. T. Needler: A model for thermohaline circulation in an ocean of finite depth. 329.
B. S. Newell, B. Morgan, and Jane Cundy: The determination of urea in seawater. 201.
W. D. Nowlin, Jr. and H. J. McLellan: A characterization of the Gulf of Mexico waters in winter. 29.
J. P. Pandolfo and P. S. Brown, Jr.: Inertial oscillations in an Ekman layer containing a horizontal discontinuity surface. 10.
B. J. Presley, R. R. Brooks, and H. M. Kappel: A simple squeezer for removal of interstitial water from ocean sediments. 355.
R. O. Reid: See Vastano and Reid.
J. H. Ryther, D. W. Menzel, and Nathaniel Corwin: Influence of the Amazon River outflow on the ecology of the western tropical Atlantic. I. Hydrography and nutrient chemistry. 69.
A. H. Schooley: Temperature differences near the sea-air interface. 60.
R. C. Seitz: Thermostad, the antonym of Thermocline. 203.
D. H. Shonting: Measurements of particle motions in ocean waves. 162.
Raymond Siever and Miriam Kastner: Mineralogy and petrology of some Mid-Atlantic Ridge sediments. 263.
S. D. Smith: Thrust-anemometer measurements of wind-velocity spectra and of Reynolds stress over a coastal inlet. 239.
A. C. Vastano and R. O. Reid: Tsunami response for islands: Verification of a numerical procedure. 129.
J. G. Welsh: A new method of measuring coastal surface currents with markers and dyes dropped from an aircraft. 190.
J. C. Wilkerson: See Barnett and Wilkerson.
W. S. Wooster: Further observations on the secondary nitrite maximum in the northern Equatorial Pacific. 154.
B. D. Zetler and R. A. Cummings: A harmonic method for predicting shallow-water tides. 103.

Printed in Denmark for the Sears Foundation for Marine Research,
Yale University, New Haven, Connecticut, U.S.A.
Bianco Lunos Bogtrykkeri A/S, Copenhagen, Denmark